

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A heat exchanger of a ventilating system, comprising:

heat exchange plates which are laminated at a predetermined interval, a first air path and a second air path being respectively located between two adjacent heat exchange plates;

~~first vibration members which are laminated among the heat exchange plates, for generating turbulence in outdoor air passing through a~~ the first air path, the first vibration members being located on one of the two adjacent heat exchange plates corresponding to the first air path and being aligned in the first air path through which the outdoor air passes; and

~~second vibration members for generating turbulence in the indoor air passing through a~~ the second air path, the second vibration members being located on one of the two adjacent heat exchange plates corresponding to the second air path and being aligned in the second air path through which indoor air passes,

wherein each of the first and second vibration members includes a fixing portion and a vibration portion, the fixing portion being attached on an upper surface of the corresponding one of the two adjacent heat exchange plates, the vibration portion being folded at a predetermined angle from the fixing portion along a fold line, the fold line being substantially perpendicular to an air flow direction in the corresponding air path.

2. (Original) The exchanger of claim 1, further comprising:

first partitions which are respectively attached on the both side surfaces of the heat exchanger through which the outdoor air passes, for closing the side surface where the second vibration member is aligned; and

second partitions which are respectively attached on the other both side surfaces of the heat exchanger through which the indoor air passes, for closing the side surface where the first vibration member is aligned.

3. (Cancelled)

4. (Currently Amended) The exchanger of claim 31, wherein the first and second vibration members are formed with an elastic body having a predetermined elasticity that the vibration portion is bent to the rear direction when the air is collided with a front surface thereof.

5. (Currently Amended) The exchanger of claim 31, wherein the first and second vibration members are formed with metal materials having a predetermined elasticity.

6. (Currently Amended) ~~The exchanger of claim 3,~~ A heat exchanger of a ventilating system, comprising:

heat exchange plates which are laminated at a predetermined interval;

first vibration members which are laminated among the heat exchange plates, for generating turbulence in outdoor air passing through a first air path, being aligned in the first air path through which the outdoor air passes; and

second vibration members for generating turbulence in the indoor air passing through a second air path, being aligned in the second air path through which indoor air passes,

wherein the first and second vibration members include a fixing portion which is attached

on the upper surface of the heat exchange plate, and a vibration portion which is curved at a predetermined angle from the fixing portion, for generating turbulence in the flowing air,

wherein the first and second vibration members are formed with paper materials having a predetermined elasticity.

7. (Currently Amended) ~~The exchanger of claim 3,~~ A heat exchanger of a ventilating system, comprising:

heat exchange plates which are laminated at a predetermined interval;

first vibration members which are laminated among the heat exchange plates, for generating turbulence in outdoor air passing through a first air path, being aligned in the first air path through which the outdoor air passes; and

second vibration members for generating turbulence in the indoor air passing through a second air path, being aligned in the second air path through which indoor air passes,

wherein the first and second vibration members include a fixing portion which is attached on the upper surface of the heat exchange plate, and a vibration portion which is curved at a predetermined angle from the fixing portion, for generating turbulence in the flowing air,

wherein the first and second vibration members are formed with plastic materials having a predetermined elasticity.

8. (Currently Amended) ~~The exchanger of claim 3,~~ A heat exchanger of a ventilating system, comprising:

heat exchange plates which are laminated at a predetermined interval;

first vibration members which are laminated among the heat exchange plates, for generating turbulence in outdoor air passing through a first air path, being aligned in the first air path through which the outdoor air passes; and

second vibration members for generating turbulence in the indoor air passing through a second air path, being aligned in the second air path through which indoor air passes,

wherein the first and second vibration members include a fixing portion which is attached on the upper surface of the heat exchange plate, and a vibration portion which is curved at a predetermined angle from the fixing portion, for generating turbulence in the flowing air,

wherein first row vibration members are aligned on the upper surface of the heat exchange plate at a predetermined interval, second row vibration members are aligned at the rear of the first row vibration members from at a predetermined interval from the first row vibration member, the first and second vibration members are repeatedly aligned at an identical interval, and the second row vibration member is positioned among the first row vibration members.

9. (Original) The exchanger of claim 8, wherein if the interval among the vibration members of the first row portions and second row portions is $d1$ and the interval among the vibration members of the first row portions and second row portions is $d2$, the formula of $5 \leq d2/d1 \leq 10$ is satisfied.

10. (Original) The exchanger of claim 8, wherein if the width of the vibration members of the first row portions and second row portions is $L1$ and the width of the vibration members of the first row portions and second row portions is $L2$, the formula of $1 \leq L1/L2 \leq 5$ is satisfied.

11. (Original) The exchanger of claim 8, wherein if the thickness of the vibration members of the first row portions and second row portions is t_1 and the thickness of the heat exchange plates is t_2 , the thickness of the first row portions and second row portions and the thickness of the heat exchange plates satisfy a formula of $0.5 \leq t_2/t_1 \leq 1$.

12. (New) The exchanger of claim 1, wherein the fixing portion is a substantially flat plate parallel to the upper surface of the corresponding one of the two adjacent heat exchange plates.

13. (New) The exchanger of claim 12, wherein the fixing portion is in contact with the upper surface of the corresponding one of the two adjacent heat exchange plates.

14. (New) The exchanger of claim 12, wherein the fixing portion extends from a first end thereof to a second end thereof along the air flow direction in the corresponding air path, and the vibration portion is another substantially flat plate extending from the second end of the fixing portion.

15. (New) The exchanger of claim 1, wherein each of the first and second vibration members has the single fold line only.

16. (New) The exchanger of claim 1, wherein each of the first vibration members in the first air path is spaced apart from the other of the first vibration members.